

Preserve[®] CA-B and Preserve[®] ACQ

Preserve[®] CA-B

- Copper Azole Type B (CA-B) is a copper-based wood preservative that has been registered for use as a treated lumber preservative in Canada since 2002.
- THE CA-B formulation is made of 96.1% 100% recycled, soluble copper and 3.9% tebuconazole.

Preserve[®] ACQ

- Alkaline Copper Quaternary (ACQ) is a copper-based wood preservative that has been used effectively around the world for over 25 years and was initially introduced in 1987.
- ACQ is composed of a soluble copper component and a quaternary ammonium compound (Quat) as a co-biocide.
- ACQ used as a wood preservative is being replaced with CA-B, prompted by the demand for quaternary needed in cleaning products due to the COVID-19 pandemic in 2020.

Similarities

- Both are water-based wood preservatives.
- Viance's brands, Preserve[®] CA-B and Preserve ACQ are both made from 100% recycled copper and are soluble formulations capable of penetrating deeper in the wood cells. Not all competitors' products contain recycled copper.
- Both leave a dry, paintable surface.
- Because the appearance and performance of CA-B and ACQ treated wood is very similar, they have been used interchangeably in many instances. It is rare for the average consumer to notice any significant difference in appearance between CA-B and ACQ treated wood.
- Preserve pressure treated wood products are produced to the Canadian Standards Association (CSA) standards as specified in the National Building Code of Canada for residential and commercial applications.
- CSA Use Categories:
 - ◊ Above Ground Use: UC1, UC2, UC3.2
 - ◊ Ground Contact Use: UC4.1
 - ◊ Ground Contact and Freshwater Immersion in Severe Environments: UC4.2
- Both are accepted as an industry standards and are building code compliant (IRC and IBC).
- Both are accepted as industry standards for Parks Canada.
- Both are field-tested with proven long-term protection against termites and fungal decay.
- DesignWood[®] color pigment can be introduced during the treatment process to stain the wood in shades of brown, creating a finished project from the start.

Differences

- The main difference between the two types of treated wood is the co-biocides that are used to combat copper tolerant fungi. Copper Azole uses a blend of azoles as the co-biocide. ACQ uses a quaternary ammonium compound (Quat) as a co-biocide.
- The differences are few. The differences can be affected by the producers. When properly produced, the differences in the treated wood are insignificant to the point where the retailer and consumer will not notice.
- The performance of CA-B treated wood and ACQ treated wood is basically equivalent when properly treated and used in the correct application. When choosing between CA-B treated wood and ACQ treated wood, the purchaser should consider the following:
 - ◇ Performance history of the treating company
 - ◇ Quality of the substrate treated and results of treatment
 - ◇ Support available

Fasteners and Connectors

CA-B and ACQ treated wood are in the “excellent range” as defined in the Corrosion Engineering Handbook. Viance provides the following guidelines regarding fasteners used with Preserve CA-B and Preserve ACQ treated wood:

- Use building-code approved, corrosion-resistant fasteners and connectors suitable for use in pressure-treated wood.
- For fasteners, use hot-dipped galvanized (meeting ASTM A 153) or stainless-steel fasteners.
- For connectors, use G185 hot-dipped galvanized connectors for exterior applications.
- For Permanent Wood Foundations and corrosive environments, such as Coastal areas with saltwater spray, use code approved stainless steel fasteners and connectors.
- CA-B and ACQ are not suitable for direct contact with uncoated steel or aluminum building products.

Warranty

Preserve CA-B and Preserve ACQ treated wood are covered by a Lifetime Limited Warranty from fungal decay and termite attack when installed in accordance with applicable building codes. See details of their Lifetime Limited Warranties for terms and conditions.

More Information

<https://treatedwood.com/products/preserve>

<https://www.treatedwood.com/assets/uploads/documents/products/preserve/PreserveCABACQ.pdf>